



## BiodosEPR-2006

2nd International Conference on Biodosimetry and  
7th International Symposium on EPR Dosimetry and Applications  
10-13 July 2006

Uniformed Services University of the Health Sciences (USUHS)  
Bethesda, Maryland, USA

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**Wednesday, 12 July 2006**

|       | Session   | Speaker   | Title of Talk   |     |
|-------|---|---|---|-----|
| 8:30  | Acute Dosimetry<br><br>Chair C. Norman Coleman                              | Abel Gonzales,<br>(Plenary)   | Potential Scenarios of Terrorist Attacks and Radiation Accidents: The Need for Retrospective Biological Dosimetry of Acute Radiation Overexposures                          | S-5 |
| 8:45  |   |   |   |     |
| 9:00  |   | Col. David G. Jarrett<br>(Plenary)                                    | Medical Treatment of Radiation Injuries—Current U.S. Status".   | S-6 |
| 9:15  |   |   |   |     |
| 9:30  | Session G: EPR Applications   | Dr. Swartz (Plenary)  | Overview of <i>In Vivo</i> EPR, including Use in Human Subjects   | G-1 |
| 9:45  | Co-Chairs: Anne Skinner and Nori Nakamura                                   | Trompier  | Electron Paramagnetic Resonance radiation dosimetry with fingernails  | G-2 |
| 10:00 |   |   |   |     |
| 10:15 |   | Sucheta   | Statistical Methods for Dose Reconstruction Using in Vivo EPR Tooth Dosimetry   | G-3 |
| 10:30 | Morning Break / Group Picture   |   |   |     |
| 10:45 |   |   |   |     |
| 11:00 |   | Williams  | Statistical Methods for Dose Reconstruction Using in Vivo EPR Tooth Dosimetry   | G-4 |
| 11:15 |   | Bhattacharyya   | Implementing EPR Dosimetry for Life Threatening Incidents: Factors Beyond Technical Performance   | G-5 |
| 11:30 |   | Romanyukha  | Mechanically-induced signal in fingernails as a confounding factor for EPR dosimetry  | G-6 |
| 11:45 |   | Carr  | EPR Dosimetry for Radiation Emergency in WHO-REMPAN Collaborating Centers and Liaison Institutions  | G-7 |
| 12:00 | Lunch   |   |   |     |
| 12:15 |   |   |   |     |
| 12:30 |   |   |   |     |
| 12:45 |   |   |   |     |
| 13:00 | Session H: Biodosimetric Applications                                       | Yoshida   | Chromosome Network for Biodosimetry in Japan  | H-1 |
| 13:15 | Chair: David Lloyd  | Wilkinson   | Canadian Biodosimetry Capacity  | H-2 |
| 13:30 |   | Stricklin   | Biodosimetry Inter-comparison: FOI and DRDC Ottawa  | H-3 |
|       |   |   |   |     |
| 13:45 |   | Albanese  | Building Connecticut's Clinical Laboratory Surge Capacity to Mitigate the Health Consequences of Radiological and Nuclear Disasters   | H-4 |
| 14:00 |   | Roy   | Optimization of Cytogenetic Procedures for Population Triage in Case of Radiological Emergency  | H-5 |
| 14:15 |   | Grace   | Quantitative Expression of p53 and STAT3 Dependent Genes in Relevant Models for Biodosimetry Applications   | H-6 |
| 14:30 |   | Ossetrova   | The Use of Discriminant Analysis for Evaluation of Early-Response Multiple Protein Biomarkers of Radiation Exposure Using Non-Human Primate 6-Gy Whole-Body Radiation Model | H-7 |
| 14:45 |   | Blakely   | Multiparameter and Integrated Biological Dosimetry - Protein Biomarkers and Biodosimetry Medical Recording Tools Supporting Radiation Casualty Incidents                    | H-8 |
| 15:00 | Afternoon Break   |   |   |     |
| 15:15 | Consensus Session #2 - Acute Biodosimetry<br><br>Moderator: Thomas Tenforde | Dr. Harold M. Swartz (Co-Chair)<br>Dr. George A. Alexander (Co-Chair) |   |     |
| 15:30 |   |   |   |     |
| 15:45 |   |   |   |     |
| 16:00 |   |   |   |     |
| 16:15 |   |   |   |     |
| 16:30 |   |   |   |     |
| 16:45 |   |   |   |     |
| 17:00 | Depart for Conference Banquet   |   |   |     |